

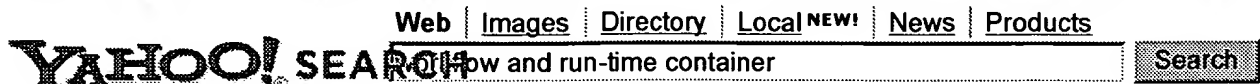
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 IBM Systems Journal - 36-1, Vol 36, No. 1 - Application Development - **Workflow**-based applications - Fea
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7. [Cover Pages: **Workflow** Management Coalition Hosts ASAP and Wf-XML 2.0 Interopera](#)
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 ... field of computer systems acting as **workflow** management systems (WFMS). 1.2 Description and Disac
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... The **Container** control can be used by activity implementations and support tools just accessing containers. Note that the MQ **Workflow** Standard **Runtime** Client ... www-306.ibm.com/software/integration/mqfamily/library/manualsa/workflow322/fmcpx132.htm - 4k - [Cached](#) - [Similar pages](#)

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... **Workflow Container** and SAPscript, only the first 80 characters of a **container** element are taken into account, when the variables are replaced during **runtime**. ... help.sap.com/saphelp_nw04/helpdata/en/53/02153cdcf89e56e10000000a11405a/content.htm - 20k - [Cached](#) - [Similar pages](#)

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... when (re-)planning activities in the **container** transportation domain ... or bring structural modifications to exist- ing **workflow** instances at **runtime**. ... www.iro.umontreal.ca/~keller/Publications/Papers/2004/bpm-2004.pdf - [Similar pages](#)

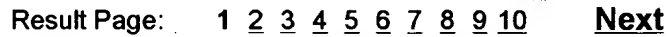
Open source workflow engine - con:cern 1.1 released

... between some of the open source **workflow** and process ... documentation applies to the j2ee **runtime** only: it ... on the infrastructure, provided by a j2ee **container**. ... www.theserverside.com/news/thread.tss?thread_id=25420 - 56k - [Cached](#) - [Similar pages](#)

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[Implementation Issues on OHS-based Workflow Services - Wang, Haake \(1999\) \(Correct\) \(2 citations\)](#)

52 Implementation Issues on OHS-based **Workflow** Services Weigang Wang and Jrg M. Haake GMD - a subflow. In the latter case, it functions as a **container** for the execution of a (separately specified) client applications (i.e. worklist handlers) **contact** the **workflow** engines and provide a list of work
ftp.darmstadt.gmd.de/pub/concert/publications/ht99ohswwh.ps

[Glove Based User Interaction Techniques for Augmented.. - Thomas, Piekarski \(2002\) \(Correct\) \(1 citation\)](#)

with existing information systems, such as **workflow**, logistics, and database systems [16]but this reality information sticker to the rotor's **container** stating this is an urgent request. This on the rotor to have the logistics supervisor **contact** him. Figure 2 depicts the geographical
www.tinmith.net/papers/thomas-vrrda-2002.pdf

[Experiences with Publishing and Executing Parallel Legacy Code - Using An Ogsi \(2004\) \(Correct\)](#)

as Grid service and can include it into complex **workflow** applications. Finally, section 5 describes how

1. Client GEMLCA Resource Compute Servers OGSA **Container** Job Manager (Condor/Fork) Legacy Code Factory

in order to pass input and output parameters, and **contacts** a local job manager through Globus MMJFS (Master
www.cscs.wmin.ac.uk/~goyenea/./papers/AHMCR2004.pdf

[HADAS: A Network-Centric Framework - For Interoperability Programming \(Correct\)](#)

commerce (e.g. micropayment systems, banking) **workflow** management [10]software engineering of multi-IOO computations, and as a component **container** for all other local components. Local HADAS Object (IOO)The IOO serves as the primary **contact** point for establishing communication paths
www.dsg.technion.ac.il/publications/coopis97fin.ps

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1 [Exotica: a project on advanced transaction management and workflow systems](#)


 C. Mohan, D. Agrawal, G. Alonso, A. El Abbadi, R. Guenthoer, M. Kamath
 August 1995 **ACM SIGOIS Bulletin**, Volume 16 Issue 1

 Full text available: [pdf\(781.89 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper is an overview of the Exotica project, currently in progress at the IBM Almaden Research Center. The project aims at exploring several research areas from advanced transaction management concepts to client/server architectures and mobile computing within the context of business processes and workflow management. The ultimate goal is to incorporate these ideas into IBM's products and prototypes. The project involves IBM groups in Almaden (U.S.A.), Hursley (U.K.), Boeblingen (Germany), ...

2 [KM-4 \(knowledge management\): distributed knowledge management: Towards smarter documents](#)


 Vikas Krishna, Prasad M. Deshpande, Savitha Srinivasan
 November 2004 **Proceedings of the Thirteenth ACM conference on Information and knowledge management**

 Full text available: [pdf\(224.70 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Document analysis research typically focuses on document image understanding or classic problems in text classification, clustering, summarization and discovery. While that is an important aspect of document management, in practice, documents lifecycles are often determined by the context of the business process that they are relevant to. It therefore becomes necessary for the document analysis techniques to recognize and leverage the contextual information provided by a supporting schema and ...

Keywords: classification, content, processes, workflow

3 [Social awareness and availability: The AWARE architecture: supporting context-mediated social awareness in mobile cooperation](#)


 Jakob E. Bardram, Thomas R. Hansen
 November 2004 **Proceedings of the 2004 ACM conference on Computer supported cooperative work**

 Full text available: [pdf\(287.88 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Maintaining social awareness of the working context of fellow co-workers is crucial to successful cooperation. For mobile, non co-located workers, however, this social awareness

is hard to maintain. In this paper we present the concept of <i>Context-Mediated Social Awareness</i> to denote how context-aware computing can be used to facilitate social awareness. We illustrate the concept in a case study of mobile collaboration in a hospital and present the 'AwarePhone', which is designed ...

Keywords: awarephone, context-aware computing, mobile computing, pervasive healthcare, social awareness, ubiquitous computing

4 XML-enabled workflow management for e-services across heterogeneous platforms

German Shegalov, Michael Gillmann, Gerhard Weikum

August 2001 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 10 Issue 1

Full text available:  pdf(662.54 KB) Additional Information: [full citation](#), [abstract](#), [citings](#), [index terms](#)

Advanced e-services require efficient, flexible, and easy-to-use workflow technology that integrates well with mainstream Internet technologies such as XML and Web servers. This paper discusses an XML-enabled architecture for distributed workflow management that is implemented in the latest version of our Mentor-lite prototype system. The key asset of this architecture is an XML mediator that handles the exchange of business and flow control data between workflow and business-object servers on t ...

Keywords: Business processes, Information system interoperability, Internet e-services, Workflow management, XML/XSL

5 Context-aware Web Information Systems

Aleksander Binemann-Zdanowicz, Roland Kaschek, Klaus-Dieter Schewe, Bernhard Thalheim
January 2004 **Proceedings of the first Asian-Pacific conference on Conceptual modelling - Volume 31**

Full text available:  pdf(413.81 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Apart from completeness usability, performance and maintainability are the key quality aspects for Web information systems. Considering usability as key implies taking usage processes into account right from the beginning of systems development. Context-awareness appears as a promising idea for increasing usability of Web Information Systems. In the present paper we propose an approach to context-awareness of Web Information Systems that systematically distinguishes among the various important k ...

Keywords: SiteLang, Web Information Systems, Web services, context-aware information systems, media objects

6 Service deployment for virtual enterprises

J. Yang, W. J. van den Heuvel, M. P. Papazoglou

January 2001 **Australian Computer Science Communications**, Volume 23 Issue 6

Full text available:  pdf(892.19 KB) Additional Information: [full citation](#), [abstract](#), [references](#)
 [Publisher Site](#)

The ubiquity of the WWW offers far reaching opportunities for emerging web-based applications based on service invocations. Although network-centric technologies will make the diverse services easily accessible via the Web, the development of E-commerce services (e-services) and networked services which share existing e-services is still an ad-hoc, very demanding, and time consuming task. In this paper we propose an integrated framework for e-services spanning legacy systems and modern enterpris ...

Web technologies and applications (WTA): Adaptive data dissemination and caching for edge service architectures built with the J2EE

Erich Liebmann, Schahram Dustdar

March 2004 **Proceedings of the 2004 ACM symposium on Applied computing**

Full text available:  pdf(326.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


The deployment of distributed enterprise applications and e-business solutions, that leverage edge service architectures across wide area networks, require flexible and adaptable models for data dissemination and caching. In this paper we present the design of an architecture that streamlines the integration of proactive data dissemination and caching into e-commerce solutions built with the Java 2 Enterprise Edition. The utilization of an adaptive push and pull approach combined with the flexib ...

Keywords: J2EE, JMS, adaptive, caching, data dissemination, data services layer, distributed enterprise applications, edge services, pull, push

8 Adaptive e-learning systems: Model based engineering of learning situations for adaptive web based educational systems

Thierry Nodenot, Christophe Marquesuzaá, Pierre Laforcade, Christian Sallaberry

May 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters**

Full text available:  pdf(460.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, we propose an approach for the engineering of web based educational applications. The applications that we focus require advanced functionality for regulating and tutoring learners' activities (dynamics of learning). Our approach aims at proposing models, not only to describe details of such learning situations, but also to characterize the constraints that the Learning Management System exploiting such situations must satisfy in this sense, this approach also contributes to the s ...

Keywords: UML language, architectures and designs for web-based learning delivery environments, models and metamodels, specification of educational applications

9 Recovery guarantees for Internet applications

Roger Barga, David Lomet, German Shegalov, Gerhard Weikum

August 2004 **ACM Transactions on Internet Technology (TOIT)**, Volume 4 Issue 3

Full text available:  pdf(997.52 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Internet-based e-services require application developers to deal explicitly with failures of the underlying software components, for example web servers, servlets, browser sessions, and so forth. This complicates application programming, and may expose failures to end users. This paper presents a framework for an application-independent infrastructure that provides recovery guarantees and masks almost all system failures, thus relieving the application programmer from having to deal with these f ...

Keywords: Exactly-once execution, application recovery, communication protocols, interaction contracts

10 Business-to-business interactions: issues and enabling technologies

B. Medjahed, B. Benatallah, A. Bouguettaya, A. H. H. Ngu, A. K. Elmagarmid

May 2003 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 12 Issue 1

Full text available:  pdf(558.34 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Business-to-Business (B2B) technologies pre-date the Web. They have existed for at least as long as the Internet. B2B applications were among the first to take advantage of advances in computer networking. The Electronic Data Interchange (EDI) business standard is an illustration of such an early adoption of the advances in computer networking. The ubiquity and the affordability of the Web has made it possible for the masses of businesses to automate their B2B interactions. However, several issues ...

Keywords: B2B Interactions, Components, E-commerce, EDI, Web services, Workflows, XML

11 Mobility: Flexible on-device service object replication with replets



Dong Zhou, Nayeem Islam, Ali Ismael

May 2004 **Proceedings of the 13th international conference on World Wide Web**

Full text available:  [pdf\(414.11 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

An increasingly large amount of such applications employ service objects such as Servlets to generate dynamic and personalized content. Existing caching infrastructures are not well suited for caching such content in mobile environments because of disconnection and weak connection. One possible approach to this problem is to replicate Web-related application logic to client devices. The challenges to this approach are to deal with client devices that exhibit huge divergence in resource availability ...

Keywords: capability, preference, reconfiguration, replication, service, synchronization

12 Web-based and Java-based simulation: Finding a substrate for federated components on the web



John A. Miller, Andrew F. Seila, Junxiu Tao

December 2000 **Proceedings of the 32nd conference on Winter simulation**

Full text available:  [pdf\(85.61 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Recent developments in software component technology have renewed the promise of reusable software. Combining this with the possibilities of sharing simulation results and models using the Internet makes these new developments all the more important, particularly for Web-Based Simulation. Interoperability standards and data interchange standards (e.g., XML) help facilitate having simulation models interact with other simulation models as well as other information technology components. This paper ...

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